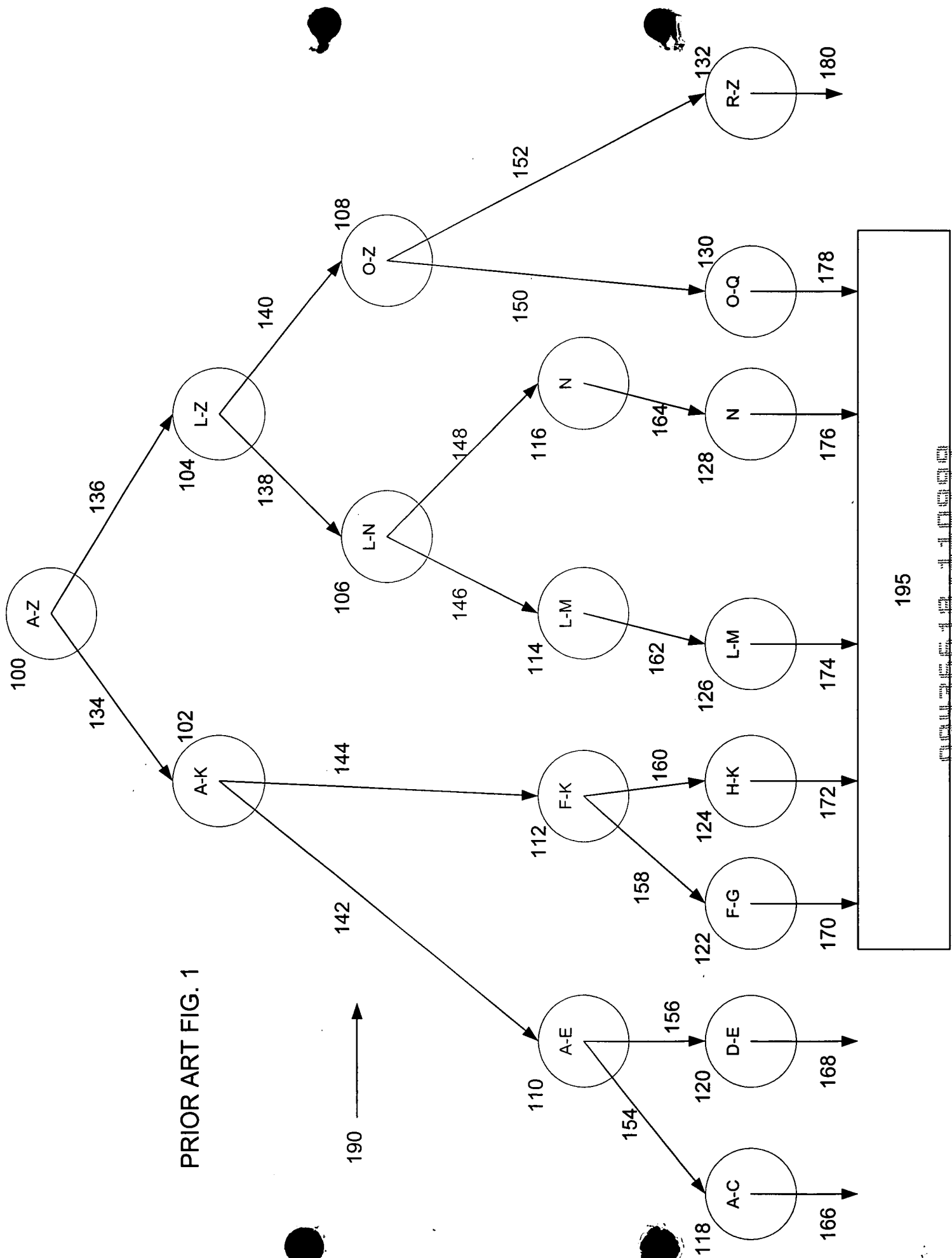
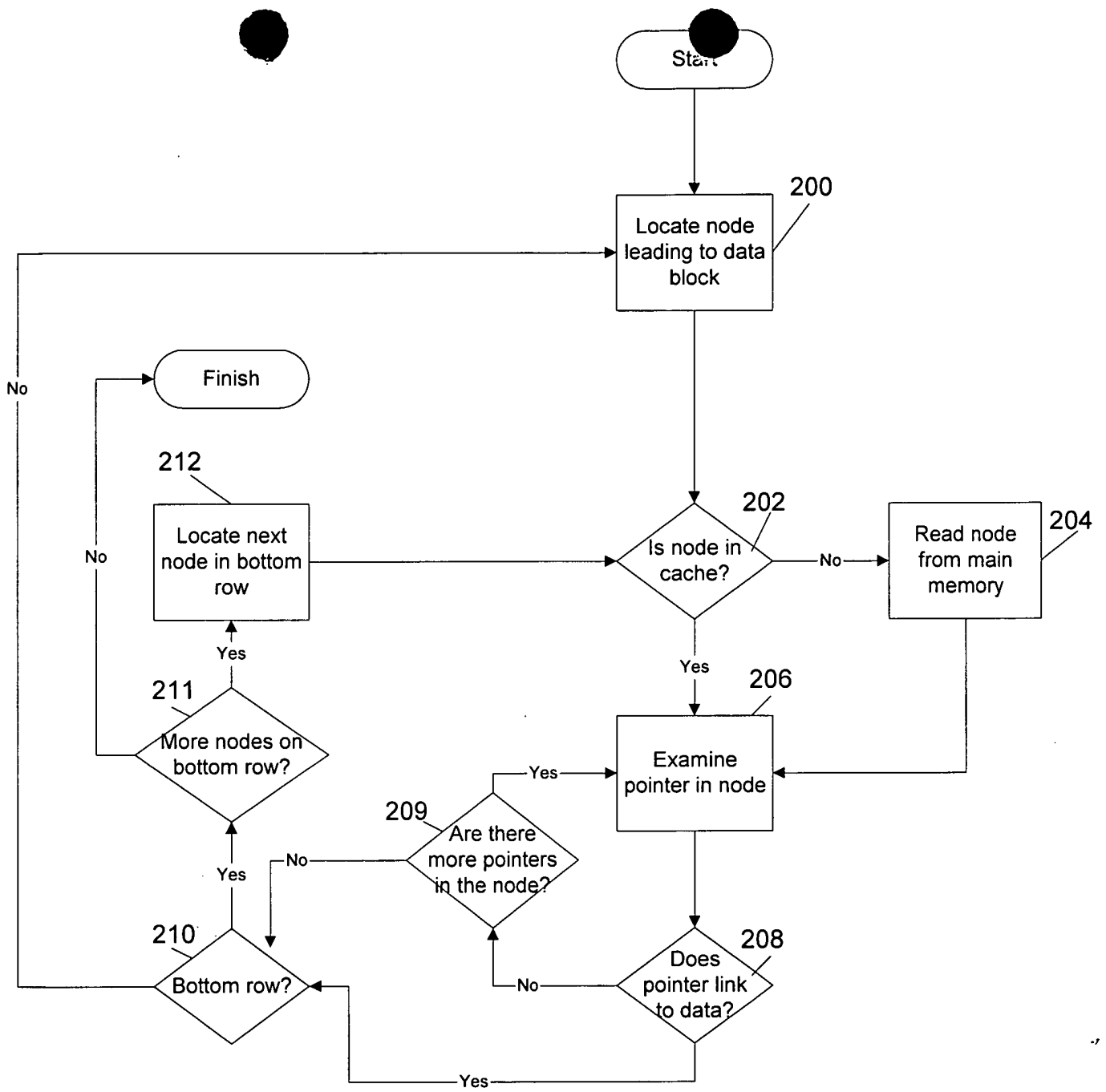


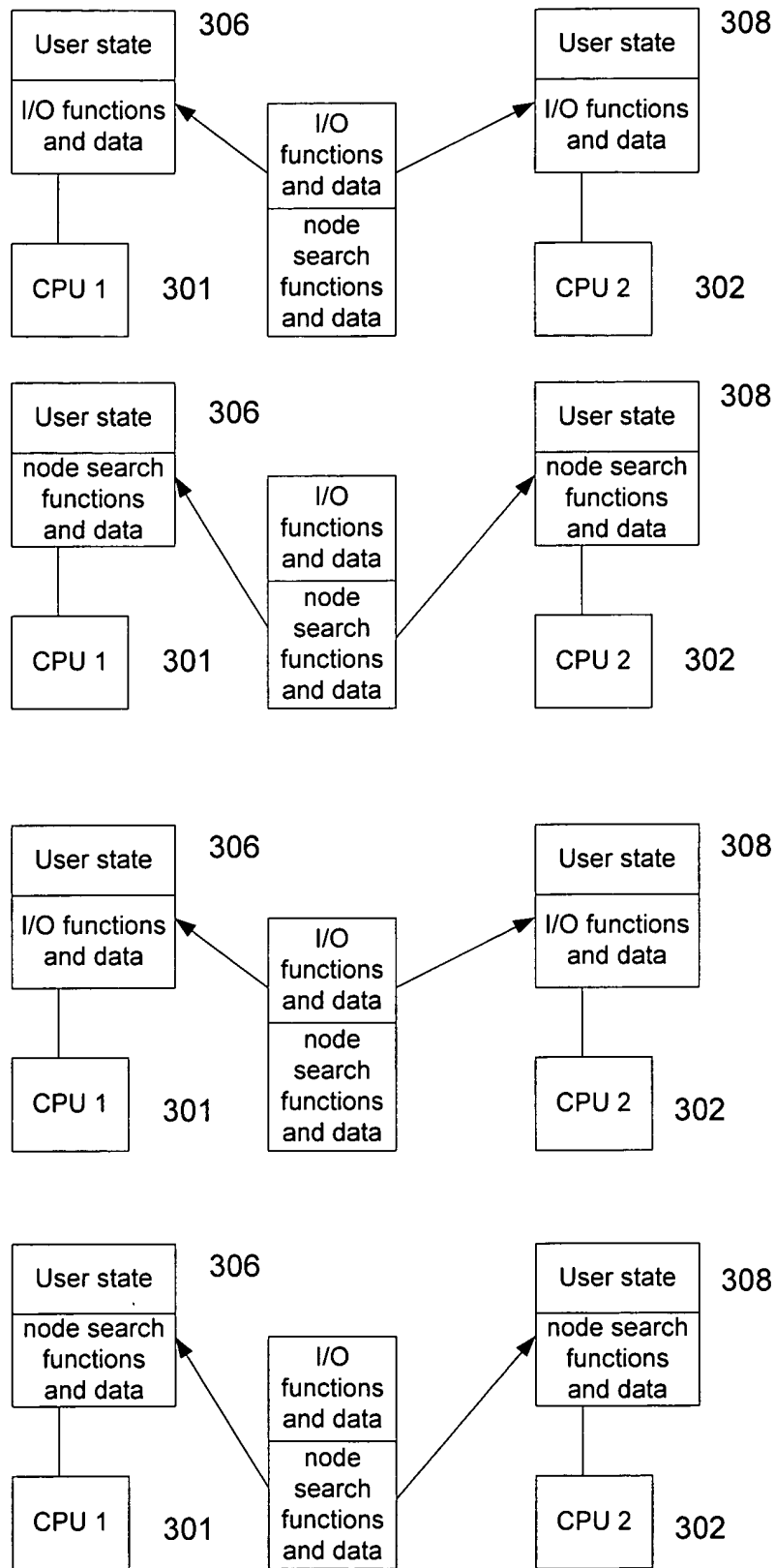
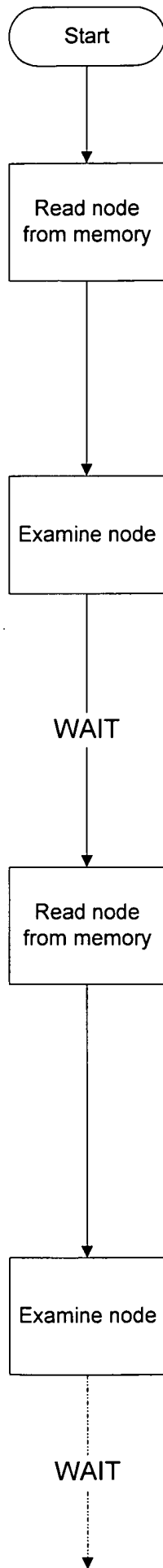
PRIOR ART FIG. 1



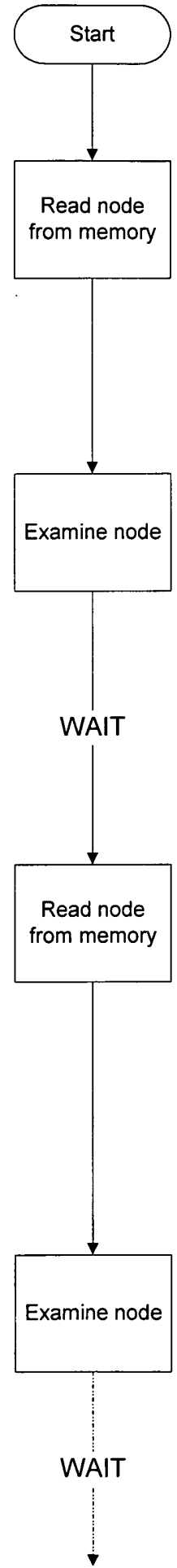
**SECRET**



PRIOR ART  
FIG. 2



PRIOR ART  
FIG. 3



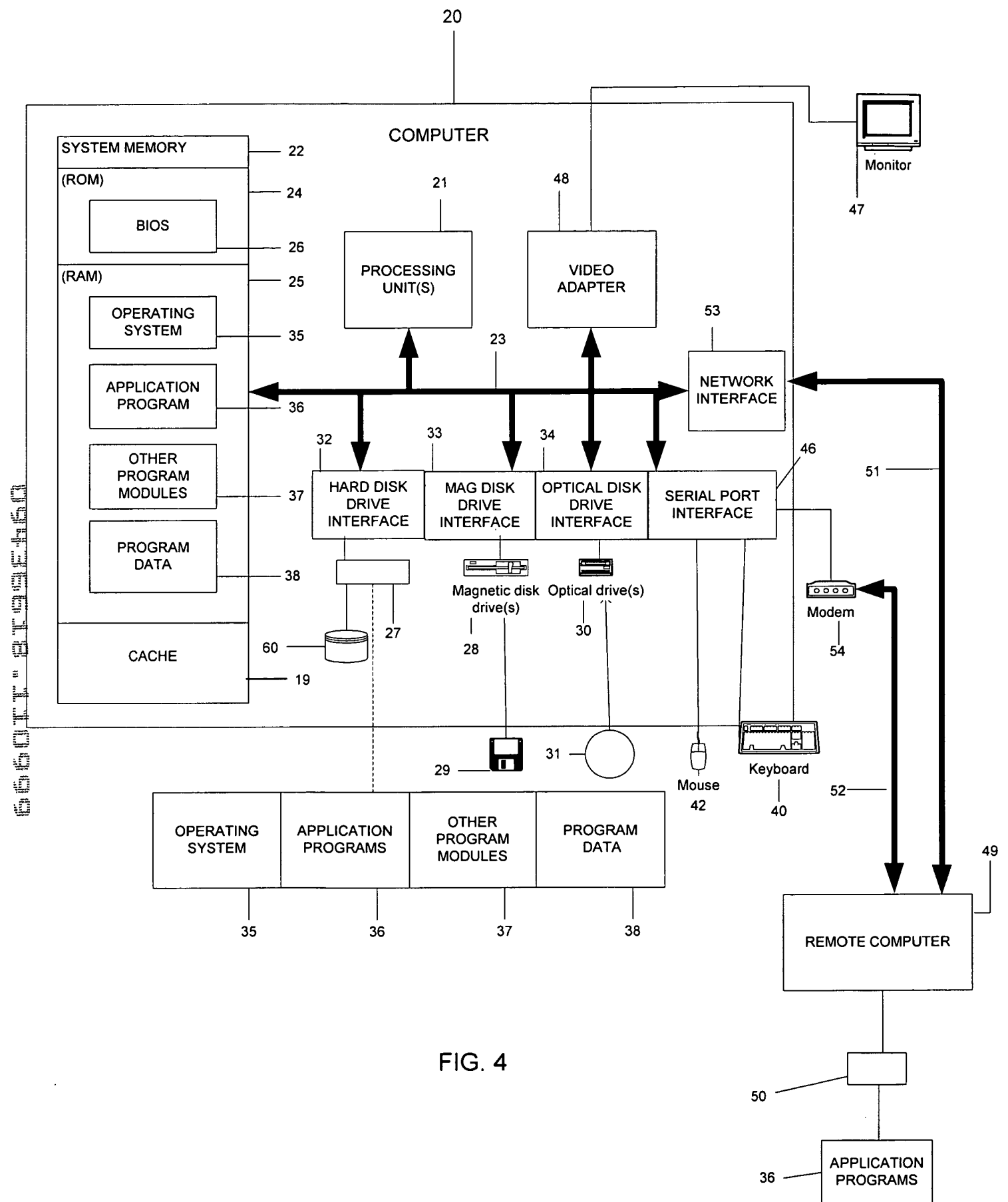


FIG. 4

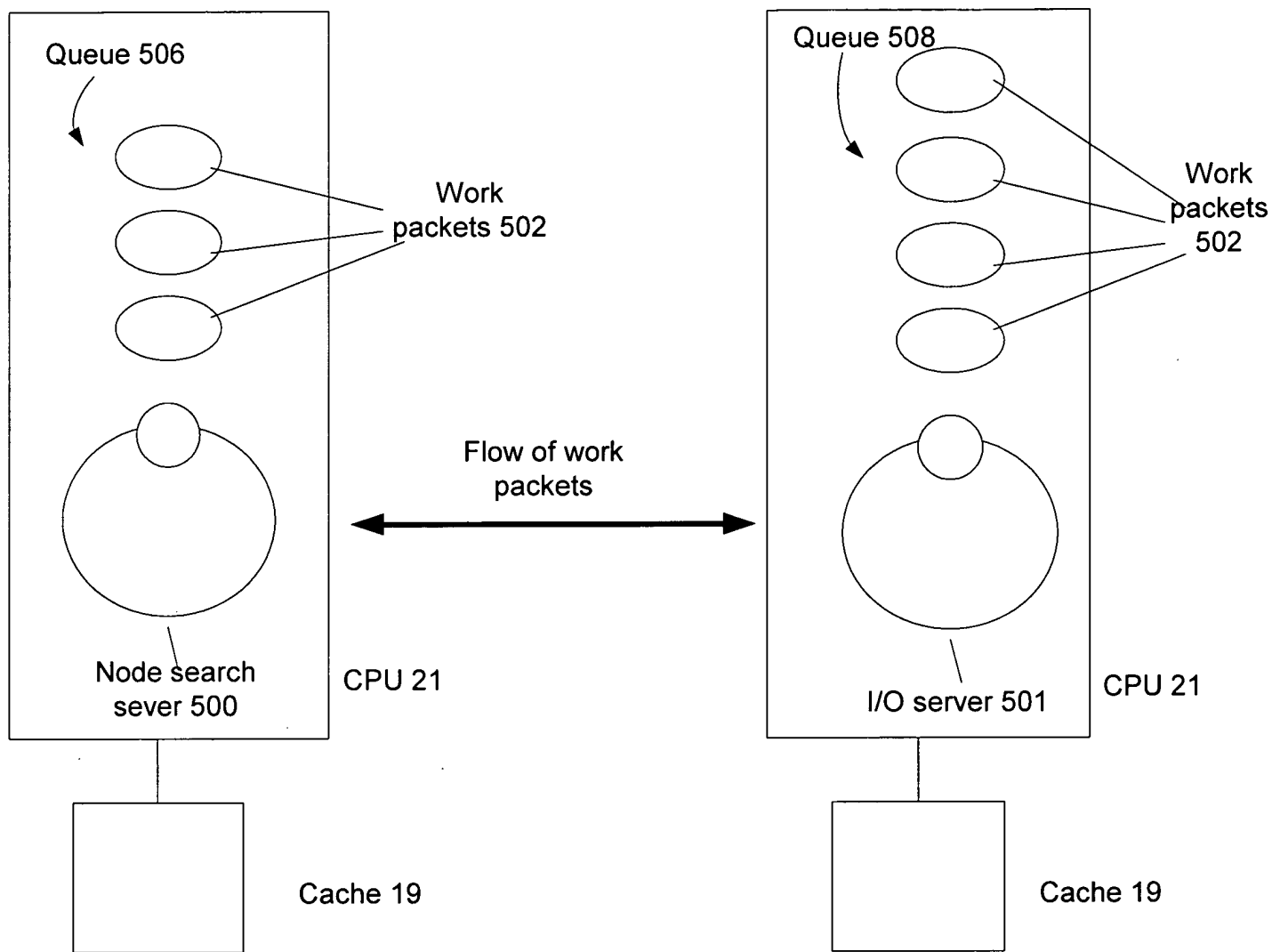


FIG. 5

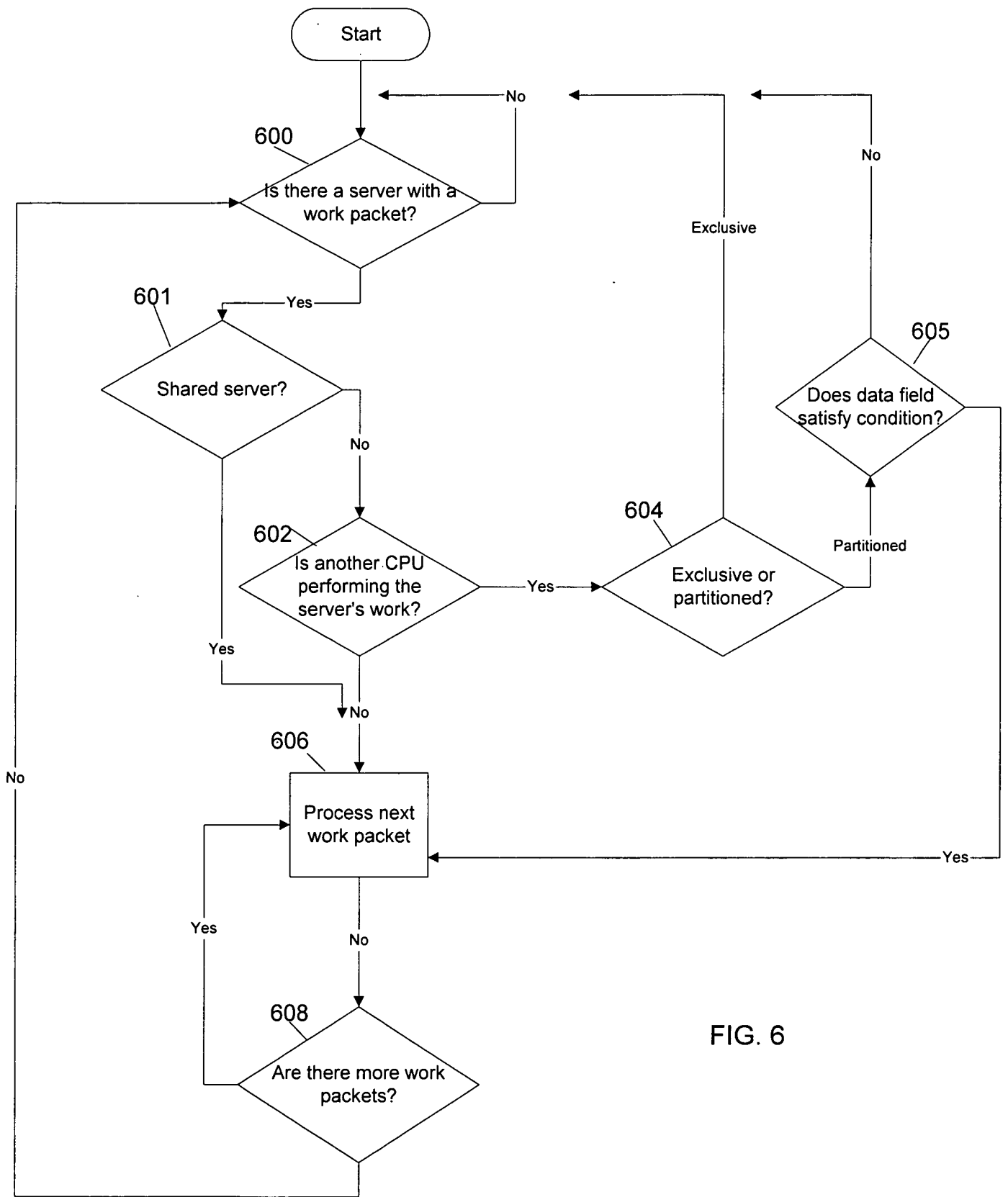


FIG. 6

	NodeServerPacket Struct{		
704	Context* Parent		
706	Packet* AssociatedPacket	(packet which started this index search)	
708	Unsigned long ActionCode	(tells server what action to perform)	
710	Unsigned long ReplyState	(n/a in this example)	← 700
	---- user-defined fields ----		
712	Sargs* SearchArgument	(value to look for in the index nodes)	
714	Unsigned long PageNumber	(database page number of this node)	
716	Buffer* NodeBuffer	(memory address of this node if in memory)	
	}		

702

	IOServerPacket{		
704	Context* Parent		
706	Packet* AssociatedPacket	(node search packet, which requested this IO)	
708	Unsigned long ActionCode	(tells IO server to read or write the specified page)	
710	Unsigned long ReplyState	(tells IO server what ActionCode to put in this packet when it returns the packet to the node search server after IO)	
	---- user-defined fields ----		
718	Unsigned Long PageNumber	(database page number to read or write... only read in this example)	
719	Buffer* PageBuffer	(memory address where page read into)	
	}		

FIG. 7

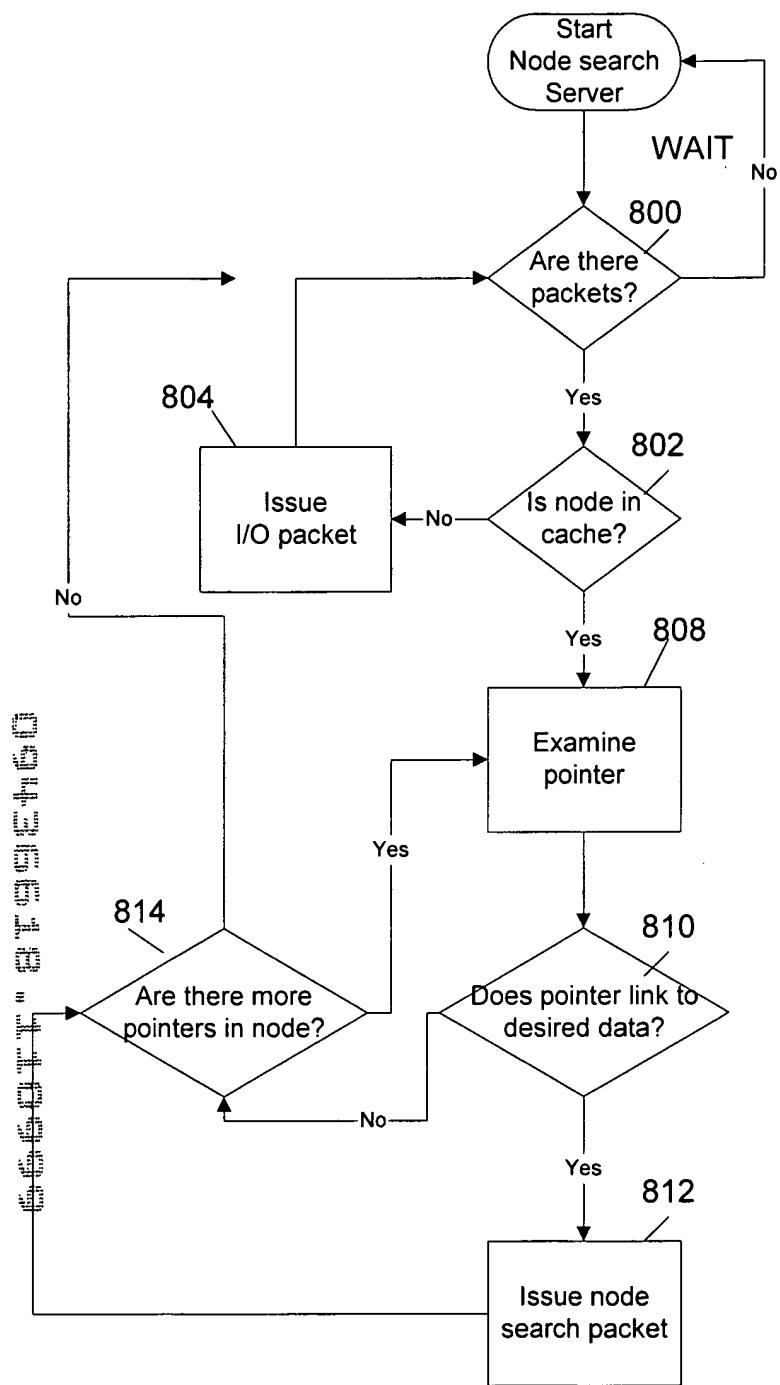


FIG. 8

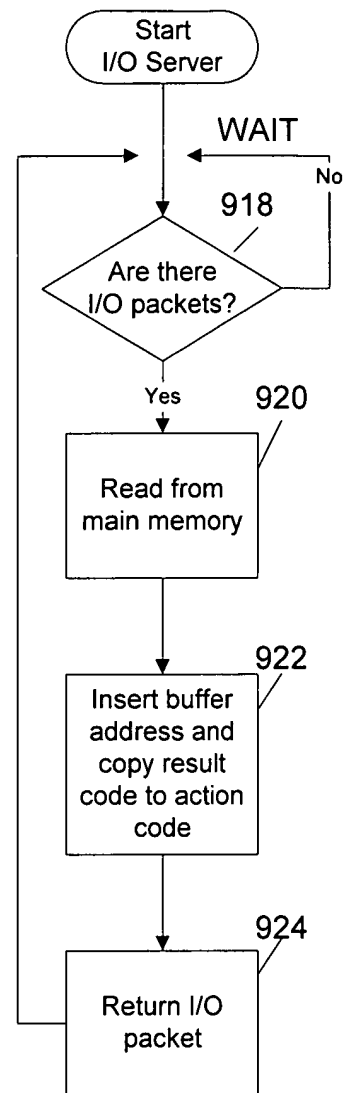


FIG. 9

# Node search queue

# Node search server

# I/O queue

# I/O server

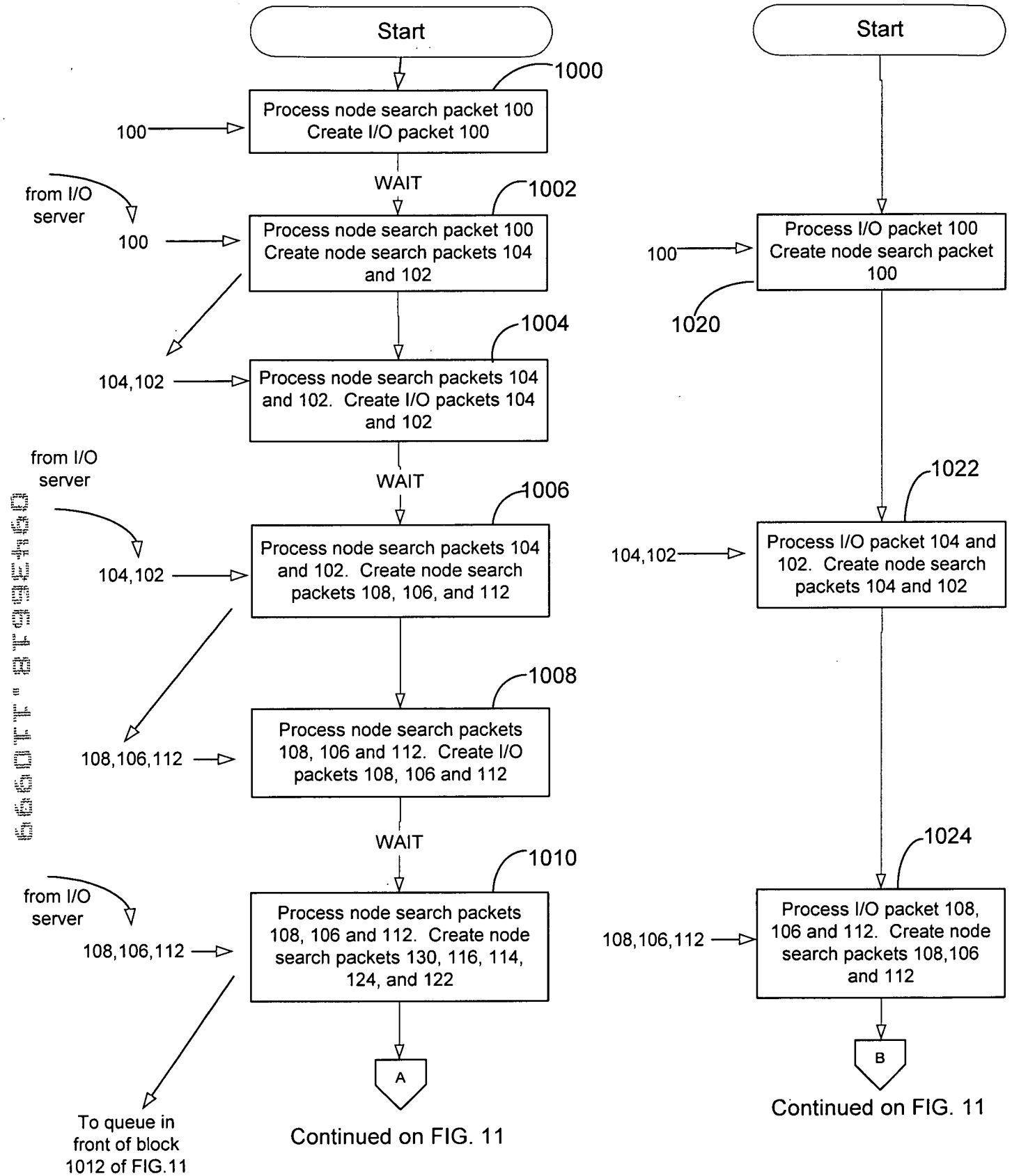


FIG. 10

Node search queue

Node search server

I/O queue

I/O server

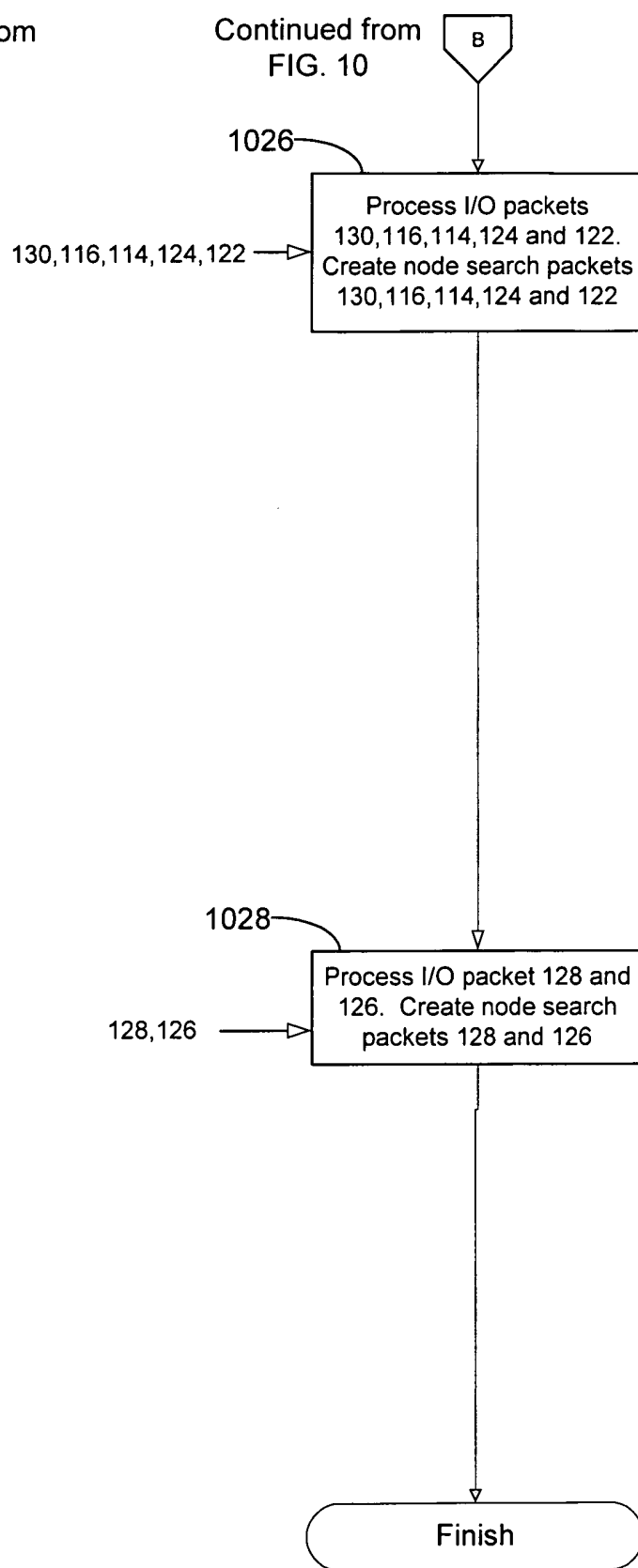
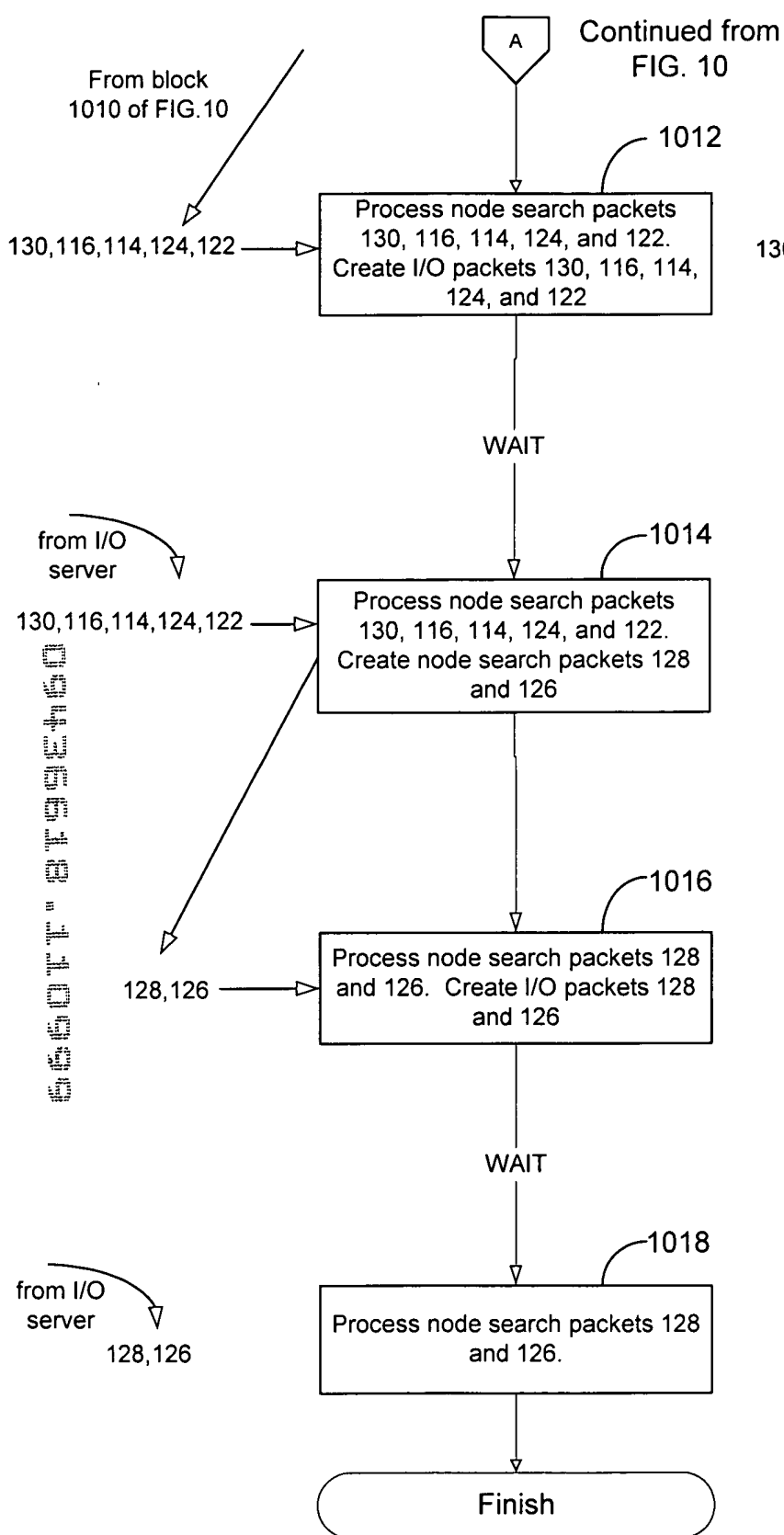
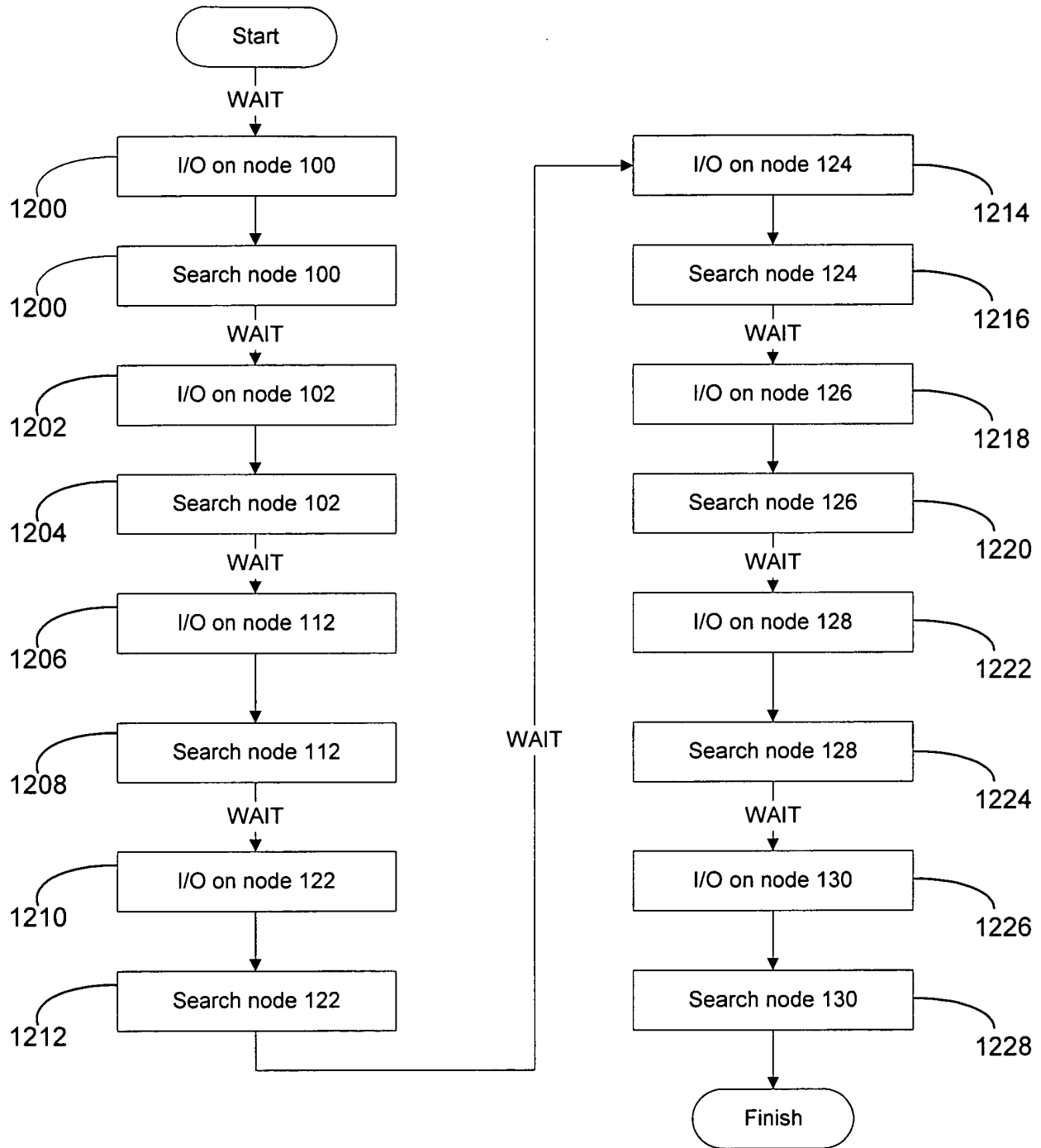


FIG. 11

66607-1393460



PRIOR ART  
FIG. 12